

# Andrew Winterman

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CONTACT INFORMATION	3811 SE Ellis, Portland, OR 97202	mobile: (714) 362-6823 e-mail: andywinterman@gmail.com
SUMMARY	Energetic, communicative, recent graduate looking for employment.	
EDUCATION	<b>Reed College:</b> B.A. in Mathematics; Thesis in statistics.	Aug 2006 - Dec 2010
	<b>Deutsche Sommerschule am Pazifik:</b> Language Immersion (German)	Summer 2009
	<b>Universidad Belgrano:</b> Language Immersion (Spanish)	Summer 2006
SCIENTIFIC EMPLOYMENT	<b>Research Experience for Undergraduates at Reed College</b>	Intern Summer 2010
	Repaired and improved available statistical tools for cDNA microarray analysis. Worked with a team of undergraduates under Professors Susan Renn and Albyn Jones, developed statistical test of equivalence for use with microarray data.	
	<b>Researcher at University of Puerto Rico, Rio Piedras, Spectrum Laboratories</b>	Intern Fall 2008
	Executed a complicated scientific procedure to exacting standards. Coauthored N. M. Murari, R. Thomas, A. Winterman, R. E. Melgarejo, S. P. Pavunny, and R. S. Katiyar. "Structural, electrical, and magnetic properties of chemical solution deposited Bi(Fe <sub>0.95</sub> Cr <sub>0.05</sub> )O <sub>3</sub> thin films on platinized silicon substrates," J. Appl Physics 105, 084110 (2009).	
	<b>Westfälische Wilhelms-Universität Münster and the German Academic Exchange Service (DAAD)</b>	Intern Summer 2008
	Operated a tomographic atom probe, transmission electron microscope, and a field ion microscope. Executed delicate scientific procedure designed to test the effect of extreme temperatures on the rate of diffusion of nano-materials.	
STUDENT ORGANIZATIONS	<b>Outdoor Odyssey</b>	Student Leader
	<b>Orientation Trip</b>	Summer 2010
	Led four day backpack in Mt. Adams wilderness area for incoming Reed College freshmen. Responsibilities include group safety, organizing meals, clean water, tending group moral.	
	<b>Jump Rope Club</b>	Organizer Spring 2009
	Student Health: Installed jump ropes in lobby of Reed College library to combat stress culture, encourage students to exercise as a study break.	
LANGUAGE & CONSTRUCTION EMPLOYMENT	<b>VOZ Workers' Rights Education Project</b>	Volunteer Fall 2009
	Taught English to Latin American adult day laborers while they waited for employment.	
	<b>Ayuda Directa</b>	Volunteer Summer 2007
	Constructed "dust free" building in remote Andean village to properly house government issued computers. Tutored more advanced Quechua students in English vocabulary and grammar.	
COMPUTER SKILLS	R: A language and environment for statistical computing, L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub> , Java.	
LANGUAGES	English (Fluent) Spanish (Advanced) German (Intermediate)	

INTERESTS      Ultimate Frisbee (member of college team, 2006 - 2010)  
Cooking, Tango & Jazz, Commuting by bike  
Traveling, Piano & Percussion

REFERENCES      **Professor Albyn Jones**  
Professor of Statistics  
Reed College  
Portland, OR  
phone: 503 517 7518  
e-mail: jones@reed.edu

**Professor Suzy Renn**  
Assistant Professor  
Reed College  
Portland OR  
phone: *available on request*  
e-mail: renns@reed.edu